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PATENT TRADEMARK OFFICE

UTILITY PATENT APPLICATION TRANSMITTAL

Address to: Box PATENT APPLICATION Assistant Commissioner for Patents Washington, DC 20231	Attorney Docket No.	USW# 1743
	Inventors(s) or Application Identifier: Arnold M. Lund and Troy C. Beecroft	

1. This application entitled SHARING FUNCTIONS BETWEEN A TELEVISION-BASED INFORMATION APPLIANCE AND REMOTE CONTROL DEVICES is:

- a. ☒ A new application under 37 C.F.R. § 1.53(b).
- b. ☐ A ☐ continuation ☐ divisional or ☐ continuation-in-part application under 37 C.F.R. § 1.53(b) of prior application Serial No. / filed on , entitled .

Application elements and other attached papers:

2. ☒ Specification (incl. Claims and Abstract) [Total Pages 17]
3. ☒ Drawings (☐ informal ☒ formal) [Total Sheets 3]
4. ☒ Oath or Declaration
- a. ☒ Newly-executed
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
5. ☐ Incorporation By Reference: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Item 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ This application is filed by fewer than all the inventors named in the prior application, 37 C.F.R. § 1.53(d)(4).
- a. ☐ **DELETE** the following inventor(s) named in the prior nonprovisional application:
- b. ☐ The inventor(s) to be deleted are set forth on a separate sheet attached hereto.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this UTILITY PATENT APPLICATION TRANSMITTAL and the documents referred to as attached therein are being deposited on the below date with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee" addressed to: Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

Express

Mail Label No.: EL573274066US

Lesley Ramaut
(Type or print name of person mailing paper)

Date of Deposit: June 20, 2000

jc498 U.S. PTO
09/596973
06/20/00

(Signature of person mailing paper)

7. Preliminary Amendment:

- a. ☐ A Preliminary Amendment is attached.
- b. ☐ Cancel in this application original claims _____ of the prior application before calculating the filing fee.
- c. ☐ Please amend the specification by inserting before the first line the sentence:
- "This is a
- ☐ continuation
- ☐ divisional
- of copending application(s)
- ☐ Serial number _____ / _____ filed on _____."
- d. ☐ A Petition to Suspend Prosecution For The Time Necessary to File An Amendment (New Application Filed Concurrently) is attached.

8. Small entity status:

- a. ☐ A small entity statement is attached.
- b. ☐ A small entity statement was filed in the prior nonprovisional application and such status is still proper and desired.
- c. ☐ Is no longer desired.

9. Fee calculation:

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS (37 C.F.R. § 1.16(c))	31-20 =	11	X 18.00	198.00
INDEPENDENT CLAIMS (37 C.F.R. § 1.16(b))	5-3 =	2	X 78.00	156.00
MULTIPLE DEPENDENT CLAIMS (if applicable) (37 C.F.R. § 1.16(d))			260.00	
			BASIC FEE (37 C.F.R. § 1.16(a))	690.00
Total of above Calculations =				1,044.00
Reduction by 50% for filing by small entity (Note 37 C.F.R. §§ 1.9, 1.27, 1.28)				
Assignment Recordal Fee			40.00	1,084.00
TOTAL =				1,084.00

10. _____ A check in the amount of \$_____ is enclosed.

11. X The Commissioner is hereby authorized to credit overpayments or charge the following fees (or any deficiency therein) to US WEST, Inc. Deposit Account No. 21-0456. **(A Duplicate Copy of This Sheet Is Enclosed)**

a. X Fees required under 37 C.F.R. § 1.16.

b. X Fees required under 37 C.F.R. § 1.17.

12. Maintenance of Copendency of Prior Application

_____ A request for extension of time and the appropriate fee have been filed in the pending prior application (or are being filed in the prior application concurrently herewith) to extend the period for response until _____.

13. _____ An Information Disclosure Statement (IDS) is attached, along with the following indicated attachments thereto:

a. _____ Form PTO/SB/08 (_____ sheet(s))

b. _____ Copies of references cited

14. _____ Certified copy of priority document(s)

15. X Return Receipt Postcard

16. X Other: Recordation Cover Sheet

17.	X	An Assignment of the invention to	U S West, Inc.
-----	---	-----------------------------------	----------------

a. X is attached.

b. _____ was recorded on _____ at Reel _____, Frame _____.

18. The power of attorney in the prior application is to:

Name of Attorney of Record

Reg. No.

_____ The power appears in the original papers in the prior application.

_____ The power does not appear in the original papers, but was filed on _____

_____ A new power has been executed and is attached.

19. Correspondence Address: Please address all future communications to:

Peter J. Kinsella, Esq., Registration No. 39,729



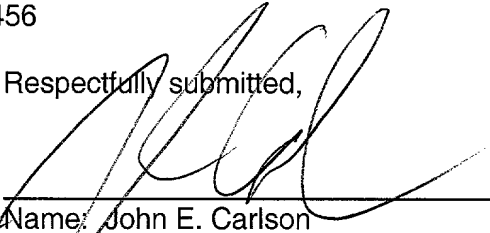
22193

PATENT TRADEMARK OFFICE

Telephone: 303-672-2737; Fax: 303-308-9456

Date: 5/20/00

Respectfully submitted,


Name: John E. Carlson
Registration No.: 37,794

☒ Attorney or agent of record
☐ Filed under Rule 34(a)

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the user must use the microphone on the set top box and the speaker on the television, greatly reducing the privacy of the call.

SUMMARY OF THE INVENTION

The present invention provides an information system with improved flexibility. In the information system on the present invention, the user selects where the caller identification information is to be displayed. For example, the user can select the caller identification information to be displayed on the remote, on the set top box, on the keyboard, and/or on the television. Further, in the present invention, the remote and keyboard are each provided with a speaker and microphone for telephone communication via the information system. The user can select which of the microphones to use (i.e. the remote, the keyboard or the set top box). The user can also select which of the speakers to use (i.e., the remote, the keyboard, or the television). In this manner, the remote input devices (the remote control and the keyboard) can function as cordless telephone handsets.

BRIEF DESCRIPTION OF THE DRAWINGS

Other advantages of the present invention will be readily appreciated as the same becomes better understood by reference to the following detailed description when considered in connection with the accompanying drawings wherein:

Figure 1 is a schematic of the information system of the present invention;

Figure 2 is a more detailed view of the face of the main unit of Figure 1;

Figure 3 is a more detailed view of the remote control of Figure 1;

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Figure 4 is a more detailed view of the keyboard of Figure 1; and

Figure 5 illustrates one possible menu which can be displayed on the display of Figure 1.

DETAILED DESCRIPTION OF A PREFERRED EMBODIMENT

5 Figure 1 schematically illustrates the information system 10 of the present invention. The information system 10 includes a set-top box or main unit 12, a display 14, a wireless remote control 16 and a wireless keyboard 18.

10 The main unit 12 is connected to a telephone network 20, television source 22 and internet 24. The telephone network 20, television source 22 and internet 24 may be provided on a single subscriber line, or via multiple lines to the main unit 12. The main unit 12 includes a television tuner 26, which may include a decoder for subscription television, such as cable television, digital cable television, satellite television or digital satellite television. The main unit 12 further includes a wireless communication transceiver 28 which communicates with complementary transceivers 30 and 32 on the remote control 16 and wireless keyboard 18, respectively. The transceivers 28, 30, 32 can be RF, infrared, or any known wireless communication technology. The main unit 12 further includes a microphone 29 for communication on the telephone network 20.

15 The display 14 may be any television or monitor (i.e., with or without a tuner). Further, the display 14 may include integrated or component speakers 36. The display 14 includes a first display area 40 which displays a video signal received

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from the main unit 12. Utilizing known hardware and software in the main unit 12, the first display area 40 may be separated to include separate display areas 42, 44 for displaying information from different sources. For example, display area 42 may be a pop-up display area which pops up and provides caller identification information received by the main unit 12 from the telephone network 20. The display area 44 may operate similar to picture-in-picture to provide a video signal from the television source 22, while internet web pages from internet 24 are displayed in first display area 40 (or vice versa). Selection of the different display areas and different sources 20, 22, 24 is performed by the remote control 16 and/or keyboard 18. The wireless keyboard 18 is also used for creating and sending e-mail messages displayed on display 14 and sent by the main unit 12 via the internet 24.

When an incoming call is detected by the main unit 12 on the telephone network 20, caller identification information is displayed in display area 42. Then, utilizing either of the input devices (the remote control 16 or keyboard 18), the user can choose whether or not to take the call. If the user elects to take the call, the information system 10 operates as a speaker phone, utilizing the microphone 29 and the main unit 12 and the speakers 36 associated with the display 14.

The features of the information system 10 that have been described above are known. The inventive features of the information system 10 of the present invention will be described below with more detailed views of the main unit 12, remote control

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16 and wireless keyboard 18 in Figures 2-4, respectively, and one possible menu to be displayed on display 14 in Figure 5.

A more detailed view of the face of main unit 12 is shown in Figure 2. According to one feature of the present invention, the main unit 12 further includes a caller identification display 50 on the face of the main unit 12. The main unit 12 further includes a few user input buttons 52a-d for operating the caller identification function. The main unit 12 further includes indicators, including a "speaker phone" indicator 54 indicating when the information system 10 is operating as a speaker phone and a "cordless" indicator 56 indicating when the information system 10 is operating as a cordless phone system. The main unit 12 further includes a "connected" indicator 58 indicating when the main unit 12 is connected to the internet 24 and a "messages" indicator 60 indicating when there are telephone and/or e-mail messages waiting for the user. The main unit 12 further includes a power button 62.

Figure 3 is an enlarged view of the remote control 16 of Figure 1. The remote control 16 includes a plurality of user input devices 70, such as buttons for selecting channels of the television source 22 and for navigating menus provided by the main unit 12 for accessing the telephone network 20 and internet 24.

According to one feature of the present invention, the remote control 16 includes a caller identification display 72 and user input buttons 74 for operating the caller identification function. According to another feature of the present invention, the remote control 16 further includes audio transducers, namely a speaker 76 and

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microphone 78, preferably toward opposite ends of the remote control 16 so that the remote control 16 can operate as a handset for a cordless telephone system.

The remote control 16 further includes a button 80 for placing the information system 10 in speaker phone mode and an associated status indicator 82. The remote control 16 further includes a button 84 for placing the information system 10 in cordless telephone mode and an associated status indicator 86. A "connected" indicator 88 indicates when the user is connected to the internet and a "messages" indicator 90 indicates when the user has new voice or email messages.

Preferably, the remote control 16 includes a headset jack 92 for receiving a jack 94 from a headset 96. The headset 96 includes a earphone 98 and microphone 100 which, when connected, provide communication for the telephone in place of the microphone 78 and speaker 76 built permanently into the remote 16.

Figure 4 is an enlarged view of the wireless keyboard 18 of Figure 1. In the present invention, the wireless keyboard 18 is also provided with the features described above with respect to the remote 16. The wireless keyboard 18 includes a plurality of user input devices, such as keys or buttons for entry of characters and other functions and for navigating menus provided by the main unit 12 for access in the telephone network 20 and internet 24. The wireless keyboard 18 includes a caller identification display 112 and user input buttons 114 for operating the caller identification function. The wireless keyboard 18 further includes audio transducers, namely a speaker 116 and microphone 118.

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The wireless keyboard 18 further includes a button 120 for placing the information system 10 in speaker phone mode and an associated status indicator 122. The wireless keyboard 18 further includes a button 124 for placing the information system 10 in cordless telephone mode (with the keyboard 18 as the "handset") and an associated status indicator 126. A "connected" indicator 128 indicates when the user is connected to the internet and a "messages" indicator 130 indicates when the user has new voice or email messages. Preferably, the wireless keyboard 18 includes a headset jack 132 for receiving the jack 94 from the headset 96 (Figure 3).

Figure 5 illustrates a menu 140 displayed on the display 14 by the main unit 12 to provide a plurality of options for the user as to where the caller identification information will be displayed. As can be seen in Figure 5, the caller identification information can be displayed in any or all of the TV screen (display 40 in Figure 1), set top box caller identification display 50 (Figure 2), remote display 72 (Figure 3) and/or wireless keyboard display 112 (Figure 4). The user also has the option 142 of adding additional devices, should additional devices become available.

In operation, information from the television source 22 and internet 24 are displayed on the first display area 40 and/or display area 44 as selected by the user according to the known system. Also, in the present invention, using the menu 140 of Figure 5, the user selects the displays for the caller identification information to be displayed. When an incoming call from telephone network 20 is detected by the main unit 12, the caller identification information is then displayed on the selected displays.

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For example, if the user selects all of the displays as shown in Figure 5, the caller identification information will be displayed on the display 14 in display area 42, in display 50 on main unit 12, in display 72 on remote 16 and on display 112 on keyboard 18.

5 If the user takes the call, the user can choose to take the call in any of several different ways. First, the user can communicate on the telephone call via the microphone 29 on the main unit 12 and speakers 36 on display 14, as is done in the known system (Figure 1).

10 In the present invention, the user can also choose to use the remote control 16 as a cordless telephone handset by pressing the "cordless" button 84 on the remote 16 (Figure 3). The user would hear the call through the speaker 76 on the remote 16 and speak into the microphone 78 on the remote 16. The audio transducers 76, 78 communicate wirelessly with the main unit 12 for telephone communication such as through transceivers 26, 30 or a separate set of wireless transceivers. This increases
15 the privacy of the call over the known system. Alternatively, the user can take the call over the wireless keyboard 18, where the corresponding components would provide identical features.

20 In accordance with the provisions of the patent statutes and jurisprudence, exemplary configurations described above are considered to represent a preferred embodiment of the invention. However, it should be noted that the invention can be practiced otherwise than as specifically illustrated and described without departing

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from its spirit or scope. Alphanumeric labels on method steps in the claims below are for convenience of reference by dependent claims, and do not signify a required order of performance of the method steps.

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CLAIMS

WHAT IS CLAIMED IS:

1. An information system comprising:

5 a display;

a video source sending video to be displayed on the display; and

a remote generating a wireless signal for controlling the video source, the remote including at least one of a microphone and a speaker for telephone communication.

10

2. The information system of claim 1 wherein the remote is a wireless keyboard.

3. The information system of claim 1 wherein the remote selectively generates a wireless signal for changing the video to the display.

15

4. The information system of claim 1 wherein the remote includes the microphone and the speaker.

20

5. The information system of claim 1 further including a telephone base unit in wireless communication with the remote.

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6. The information system of claim 5 wherein the telephone base unit is in communication with a telephone network.

7. The information system of claim 1 wherein the video source is a subscription television decoder.

8. The information system of claim 1 wherein the video source is a main unit providing video and telephone communication.

9. The information system of claim 8 wherein the main unit includes a subscription television decoder.

10. The information system of claim 9 wherein the main unit includes an internet connection.

11. A remote input device comprising:

at least one user input device;

a transmitter for generating a wireless signal based upon activation of the at least one user input device;

a transceiver for communicating wirelessly with a telephone system; and

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at least one audio transducer for sending or receiving audio signals via the transceiver.

12. The remote input device of claim 11 wherein the at least one audio transducer
5 includes a speaker and microphone.

13. The remote input device of claim 12 further including a display for displaying caller identification information.

10 14. The remote input device of claim 12 wherein the transmitter generates the wireless signal for controlling an entertainment system component based upon activation of the at least one user input device.

15 15. The remote input device of claim 14 wherein the wireless signal changes a video source to a display.

16. The remote input device of claim 14 wherein the remote input device is a wireless keyboard and the at least one user input device comprises a plurality of keys.

20 17. A remote input device for an information system comprising:
at least one user input device;

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a transmitter for generating a wireless signal for controlling an information system component based upon activation of the at least one user input device;

a receiver for receiving a wireless signal including caller identification information received from a telephone system; and

5 a display for displaying the caller identification information received via the transceiver.

18. The remote input device of claim 17 wherein the receiver receives the caller identification information directly from the telephone system.

10

19. The remote input device of claim 18 wherein the user input device includes a keyboard.

20. The remote input device of claim 19 wherein the keyboard generates the wireless
15 signal to control the information system component by sending character information.

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21. A method for operating an information system including a display and a remote,
the method including the steps of:

a) Displaying video on the display;

5 b) Providing an option to display caller identification information on one of the
display or the remote;

c) Receiving a user selection to display the caller identification information on a
selected one of the display or the remote;

d) Determining that a telephone call is incoming to the information system;

10 e) Receiving caller identification information from the incoming call; and

f) Displaying the caller identification information on the selected one of the display
or the remote.

22. The method of claim 21 further including the step of transmitting the caller
15 identification information to the remote prior to said step f).

23. The method of claim 22 wherein said step f) further includes the step of displaying
the caller identification information on the remote.

20 24. The method of claim 21 further including the step of controlling the video on the
display by sending a wireless signal from the remote.

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25. A method for operating an information system including a display and a remote,
the method including the steps of:

- a) Displaying video on the display;
- 5 b) Changing the video on the display with a wireless remote;
- c) Receiving a telephone call to the information system; and
- d) Communicating on the telephone call via an audio transducer on the remote.

26. The method of claim 25 further including the steps of:

- 10 e) Providing an option to provide communication via the audio transceiver on the remote or an audio transceiver on the display; and
- f) Receiving a selection of one of the remote or display in response to said step e);
and
- g) Communicating on the telephone call via the selected one of the audio
- 15 transceiver on the display or the remote.

27. The method of claim 25 wherein the remote includes a microphone, said step c)
including the step of receiving a selection of the microphone on the remote, said
step e) including the step of communicating on the telephone call via the
20 microphone on the remote.

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28. The method of claim 27 wherein the remote includes a speaker, said step c) including the step of receiving a selection of the speaker on the remote, said step e) including the step of communicating on the telephone call via the speaker on the remote.

5

29. The method of claim 25 further including the step of displaying caller identification information for the telephone call.

10

30. The method of claim 29 further including the step of displaying caller identification information for the telephone call on the remote.

31. The method of claim 29 further including the step of displaying caller identification information for the telephone call on the display.

Parameter	Value	Unit
Temperature	25.0	°C
Pressure	1.0	atm
Flow rate	1.0	L/min
Concentration	0.1	mol/L
pH	7.0	
Wavelength	254	nm
Scan rate	1.0	nm/min
Integration time	1.0	s
Resolution	0.1	nm
Slit width	1.0	mm
Detector	Photodiode	
Amplifier	10.0	V
Offset	0.0	V
Gain	1.0	
Filter	None	
Modulation	None	
Reference	None	
Blank	None	
Sample	None	
Path length	1.0	cm
Cell	Quartz	
Volume	1.0	ml
Concentration	0.1	mol/L
pH	7.0	
Temperature	25.0	°C
Pressure	1.0	atm
Flow rate	1.0	L/min
Concentration	0.1	mol/L
pH	7.0	
Wavelength	254	nm
Scan rate	1.0	nm/min
Integration time	1.0	s
Resolution	0.1	nm
Slit width	1.0	mm
Detector	Photodiode	
Amplifier	10.0	V
Offset	0.0	V
Gain	1.0	
Filter	None	
Modulation	None	
Reference	None	
Blank	None	
Sample	None	
Path length	1.0	cm
Cell	Quartz	
Volume	1.0	ml
Concentration	0.1	mol/L
pH	7.0	
Temperature	25.0	°C
Pressure	1.0	atm
Flow rate	1.0	L/min
Concentration	0.1	mol/L
pH	7.0	
Wavelength	254	nm
Scan rate	1.0	nm/min
Integration time	1.0	s
Resolution	0.1	nm
Slit width	1.0	mm
Detector	Photodiode	
Amplifier	10.0	V
Offset	0.0	V
Gain	1.0	
Filter	None	
Modulation	None	
Reference	None	
Blank	None	
Sample	None	
Path length	1.0	cm
Cell	Quartz	
Volume	1.0	ml
Concentration	0.1	mol/L
pH	7.0	
Temperature	25.0	°C
Pressure	1.0	atm
Flow rate	1.0	L/min
Concentration	0.1	mol/L
pH	7.0	
Wavelength	254	nm
Scan rate	1.0	nm/min
Integration time	1.0	s
Resolution	0.1	nm
Slit width	1.0	mm
Detector	Photodiode	
Amplifier	10.0	V
Offset	0.0	V
Gain	1.0	
Filter	None	
Modulation	None	
Reference	None	
Blank	None	
Sample	None	
Path length	1.0	cm
Cell	Quartz	
Volume	1.0	ml
Concentration	0.1	mol/L
pH	7.0	
Temperature	25.0	°C
Pressure	1.0	atm
Flow rate	1.0	L/min
Concentration	0.1	mol/L
pH	7.0	
Wavelength	254	nm
Scan rate	1.0	nm/min
Integration time	1.0	s
Resolution	0.1	nm
Slit width	1.0	mm
Detector	Photodiode	
Amplifier	10.0	V
Offset	0.0	V
Gain	1.0	
Filter	None	
Modulation	None	
Reference	None	
Blank	None	
Sample	None	
Path length	1.0	cm
Cell	Quartz	
Volume	1.0	ml
Concentration	0.1	mol/L
pH	7.0	
Temperature	25.0	°C
Pressure	1.0	atm
Flow rate	1.0	L/min
Concentration	0.1	mol/L
pH	7.0	
Wavelength	254	nm
Scan rate	1.0	nm/min
Integration time	1.0	s
Resolution	0.1	nm
Slit width	1.0	mm
Detector	Photodiode	
Amplifier	10.0	V
Offset	0.0	V
Gain	1.0	
Filter	None	
Modulation	None	
Reference	None	
Blank	None	

ABSTRACT OF THE DISCLOSURE

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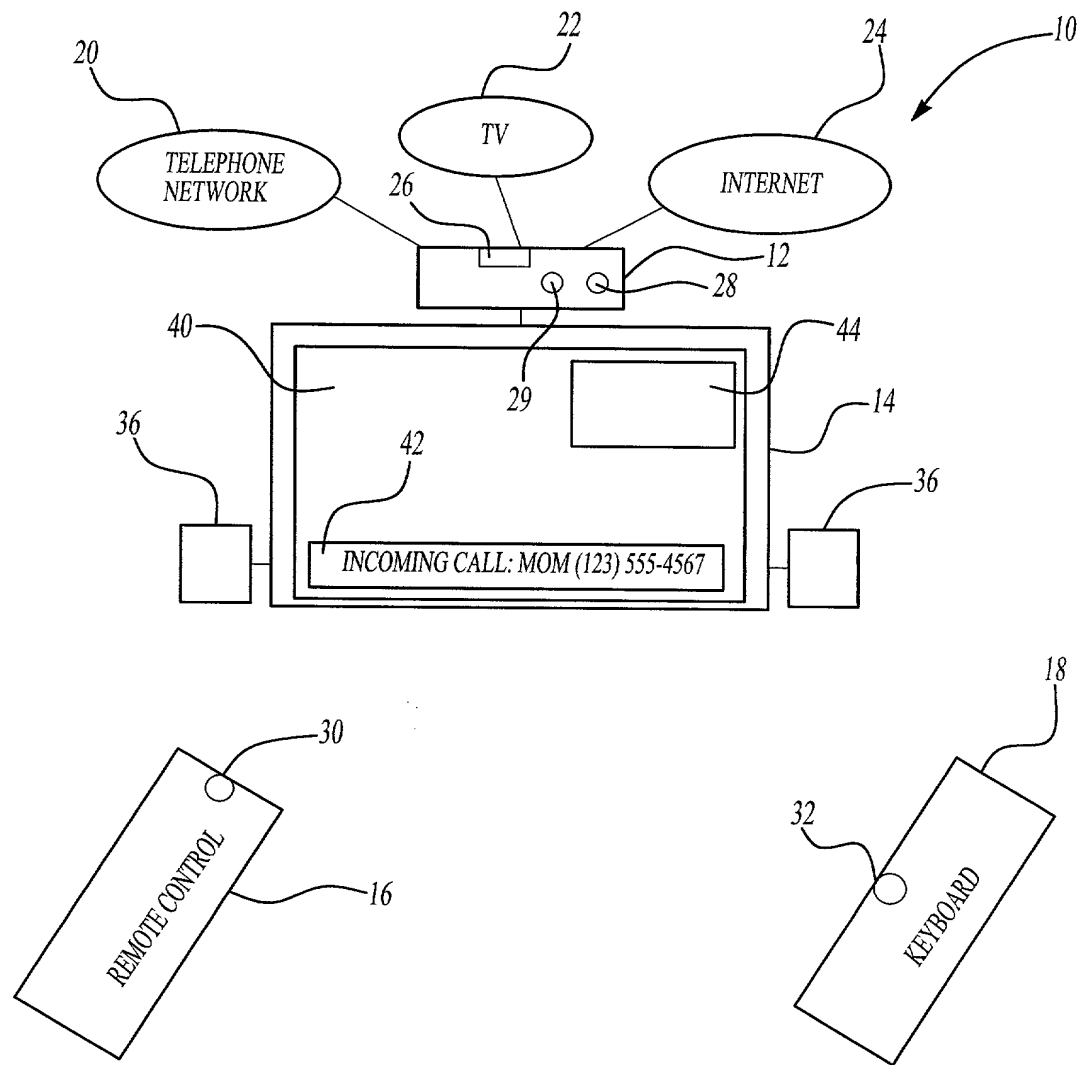


Fig-1

Fig-2

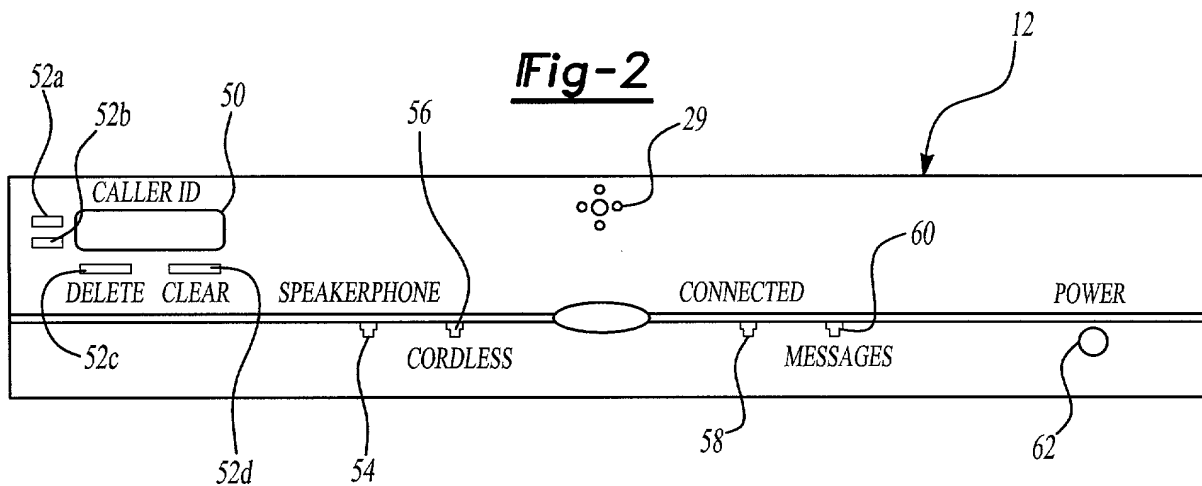
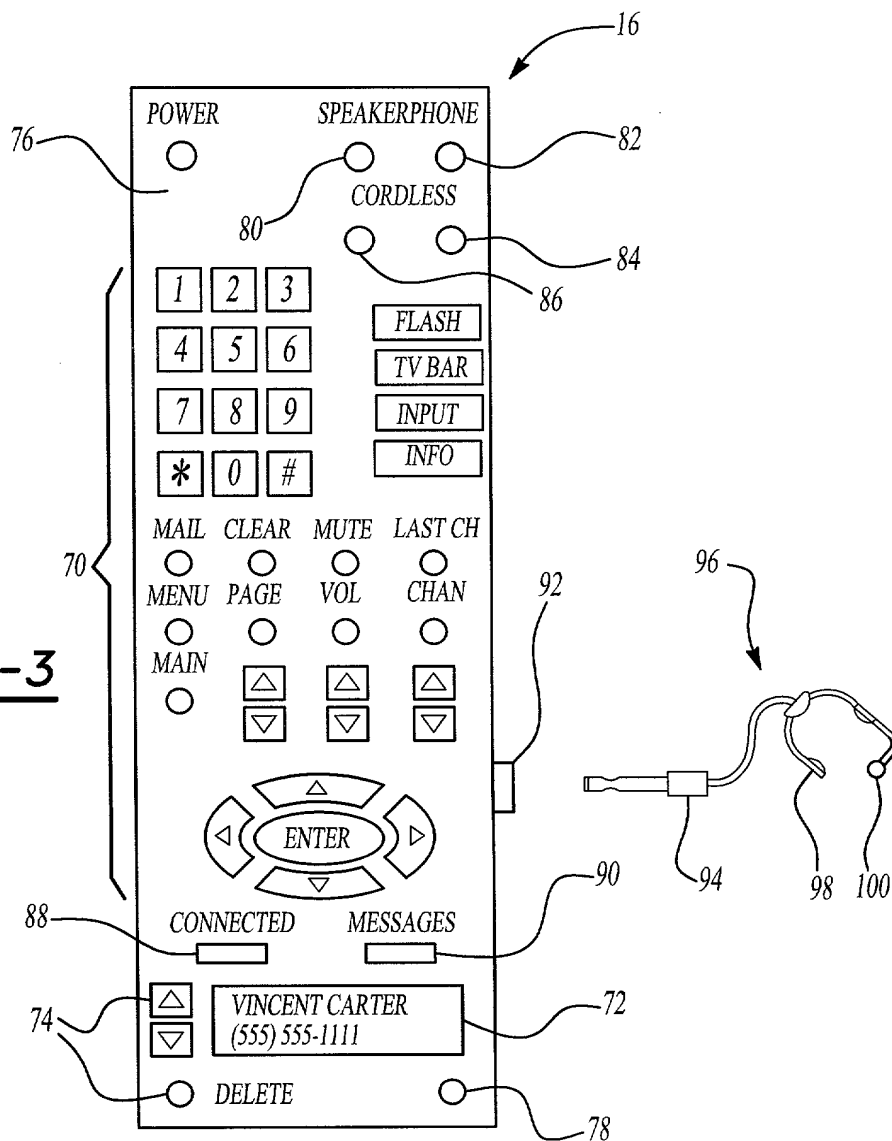


Fig-3



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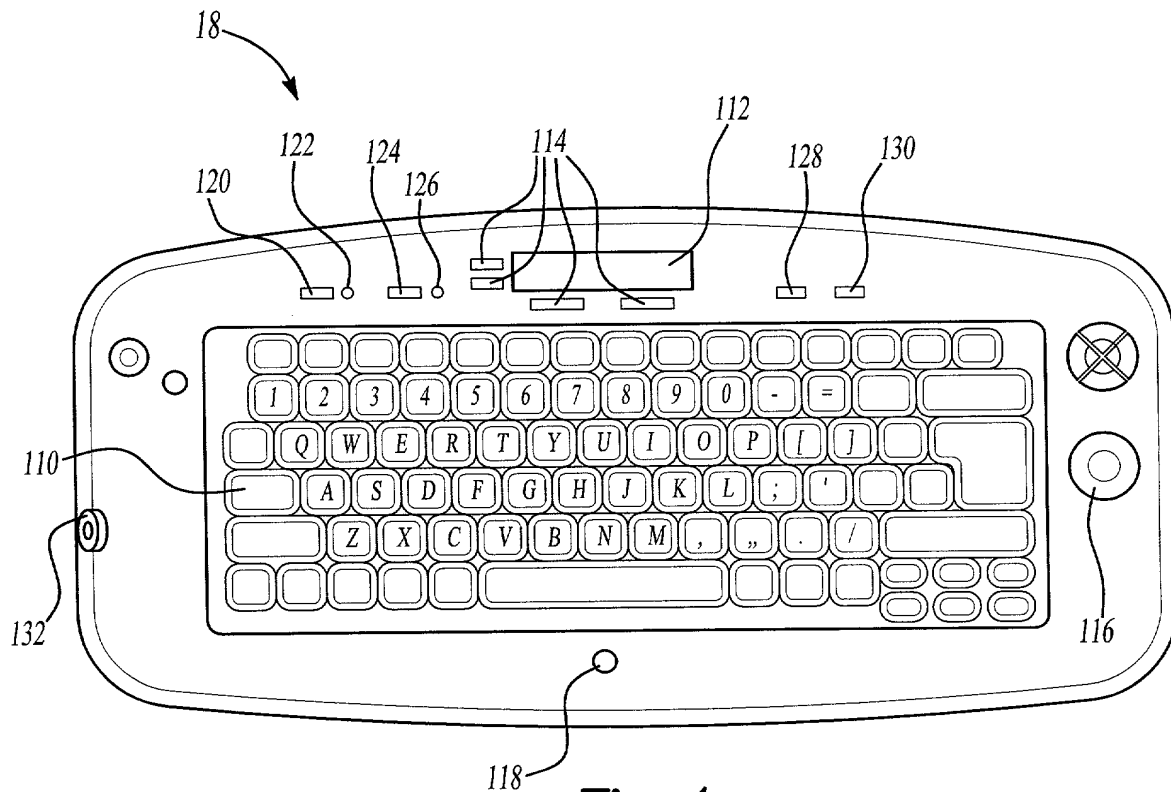


Fig-4

Fig-5 is a screenshot of a user interface dialog box, labeled 140. The dialog box has a title bar, labeled 14, and a content area, labeled 40. The content area contains the following text:

PLEASE INDICATE WHICH OF THE FOLLOWING LOCATIONS YOU
WOULD LIKE THE CALLER ID INFORMATION TO APPEAR.

Below the text are four checkboxes, each followed by a label:

- ☒ TV SCREEN
- ☒ SET-TOP BOX
- ☒ REMOTE CONTROL
- ☒ WIRELESS KEYBOARD

Below the checkboxes is a button labeled "ADD A DEVICE", labeled 142. At the bottom of the dialog box are two buttons: "OK" and "CANCEL".

Fig-5

DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

Atty. Docket No. USW#1743

First Named Inventors Arnold M. Lund and Troy C. Beecroft

As a below named inventors, we hereby declare that our residence, post office addresses and citizenship are as stated below next to our names.

We believe that we are the original, first and sole inventor, or an original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SHARING FUNCTIONS BETWEEN A TELEVISION-BASED INFORMATION APPLIANCE AND REMOTE CONTROL DEVICES

the specification of which:

- ☒ [X] is attached hereto; or
☐ [] was filed on (MM/DD/YYYY) _____ as U.S. Application Number or PCT International Application Number _____, and was amended on (MM/DD/YYYY) _____ (if applicable).

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

<i>Prior Foreign Application Number(s)</i>	<i>Country</i>	<i>Foreign Priority Date (MM/DD/YYYY)</i>	<i>Priority Not Claimed</i>	<i>Certified Copy Attached? (Yes/No)</i>

We hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

<i>Application Number(s)</i>	<i>Filing Date (MM/DD/YYYY)</i>

We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

<i>Application Number(s)</i>	<i>Filing Date (MM/DD/YYYY)</i>	<i>Status: Patented, Pending, Abandoned</i>

Declaration for Patent Application (cont'd.) Atty. Docket No. USW#1743

We hereby appoint the practitioners associated with Customer Number 22193 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that Customer Number. Telephone calls should be directed to U S West, Inc., Law Department-Intellectual Property Group, at (877) 879-4747 or (303) 672-2700.



22193

PATENT TRADEMARK OFFICE

We hereby declare that all statements made herein are of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Dated: 6-14-00

[Decl. - Page 2 of 2]